



**ESCUELA POLITECNICA NACIONAL  
INSTITUTO GEOFISICO**

Campus Ing. José Rubén Orellana

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Quito - Ecuador Fax: (593)-2-2567847 - www.igepn.edu.ec

**Sismicidad Año 2003**

La siguiente información fue registrada por la Red Nacional de Sismógrafos y procesada en el Instituto Geofísico de la Escuela Politécnica Nacional. Se presentan los sismos de magnitud mayor o igual a 4 en la escala de Richter. La distancia y azimut son determinados con respecto a la ciudad referencial, que es la capital de provincia más cercana al evento.

FECHA	TIEMPO	LAT.	LONG.	PROF.	Mag.	DIST.	AZIMUT	CIUDAD
----	-----	----	----	km	---	km	grados	referencial
2003/01/01	19:41:06	1.40S	81.17W	36.0	4.0	88.88	244.0°	PORTOVIEJO
2003/01/04	11:36:07	4.00S	80.15W	54.3	4.6	85.31	194.7°	MACHALA
2003/01/06	02:21:11	2.09S	79.79W	12.0	4.0	16.80	46.1°	GUAYAQUIL
2003/01/11	23:20:15	3.64S	76.80W	31.0	4.2	208.92	134.9°	MACAS
2003/01/14	23:08:43	1.00S	78.87W	6.0	4.2	29.24	254.2°	LATACUNGA
2003/01/17	00:36:04	2.71S	79.02W	34.3	4.1	19.69	275.6°	AZOGUES
2003/01/17	07:11:06	3.40S	76.79W	12.0	4.0	191.81	129.1°	MACAS
2003/01/17	20:00:19	1.20S	80.37W	12.0	4.2	18.89	151.0°	PORTOVIEJO
2003/01/22	09:28:41	4.00S	79.10W	12.0	4.2	11.84	88.5°	LOJA
2003/01/25	00:46:23	0.48N	79.78W	12.0	4.1	55.69	192.6°	ESMERALDAS
2003/01/25	09:04:11	3.33S	78.83W	12.0	4.2	53.19	158.2°	CUENCA
2003/01/31	16:55:24	2.76S	77.18W	130.0	5.1	116.89	115.2°	MACAS
2003/02/01	01:19:31	1.83S	80.52W	26.0	4.3	79.64	299.7°	GUAYAQUIL
2003/02/01	20:09:19	3.03S	78.13W	14.8	4.3	80.53	180.0°	MACAS
2003/02/02	04:32:45	0.84S	82.21W	12.0	4.2	197.12	276.9°	PORTOVIEJO
2003/02/02	06:33:24	0.98S	80.84W	12.0	4.5	43.63	279.9°	PORTOVIEJO
2003/02/04	11:45:06	1.84S	78.01W	172.8	4.1	39.29	182.4°	PUYO
2003/02/04	18:29:30	1.77S	77.81W	224.0	4.1	37.49	147.1°	PUYO
2003/02/06	01:23:20	3.03S	78.96W	22.3	4.5	16.82	162.4°	CUENCA
2003/02/07	21:47:16	3.23S	77.19W	17.8	4.9	146.18	134.3°	MACAS
2003/02/12	09:05:22	0.97S	79.27W	113.0	4.3	71.86	266.2°	LATACUNGA
2003/02/12	16:31:29	2.07S	79.46W	16.0	4.0	30.50	165.8°	BABAHYO
2003/02/13	15:57:16	0.89S	80.97W	10.2	4.5	60.26	287.0°	PORTOVIEJO
2003/02/14	03:33:14	0.76S	80.56W	10.4	4.0	33.97	339.2°	PORTOVIEJO
2003/02/14	12:33:19	2.95S	79.01W	50.7	4.0	6.60	182.8°	CUENCA
2003/02/16	03:09:01	1.68S	81.68W	12.0	4.3	153.63	243.0°	PORTOVIEJO
2003/02/17	12:12:12	0.44S	79.64W	13.4	4.2	112.76	53.1°	PORTOVIEJO
2003/02/17	17:55:23	3.03S	81.23W	16.0	4.6	143.46	280.3°	MACHALA
2003/02/18	08:48:10	1.47S	81.44W	10.0	4.3	119.00	247.0°	PORTOVIEJO
2003/02/21	03:51:36	0.45N	78.31W	29.0	4.3	24.95	294.8°	IBARRA
2003/02/21	22:33:01	1.85S	77.65W	196.2	4.0	54.85	136.2°	PUYO
2003/02/22	20:59:12	0.32N	80.02W	12.0	4.0	81.83	208.3°	ESMERALDAS
2003/02/24	13:52:02	1.31S	77.40W	238.5	4.0	55.35	121.7°	TENA
2003/02/27	04:30:08	1.62S	78.11W	174.5	4.0	19.96	223.8°	PUYO
2003/03/02	18:30:57	4.80S	80.04W	12.0	4.5	127.69	226.2°	LOJA
2003/03/02	22:41:24	0.04N	80.10W	12.0	4.0	113.58	205.0°	ESMERALDAS
2003/03/05	11:17:10	3.57S	79.51W	12.0	4.0	58.11	325.0°	LOJA
2003/03/08	13:50:25	1.45S	77.86W	215.7	4.0	15.43	73.2°	PUYO
2003/03/09	08:00:18	0.10N	78.95W	106.1	4.0	60.52	303.5°	QUITO
2003/03/09	20:30:15	2.75S	78.29W	12.0	4.7	51.57	200.0°	MACAS
2003/03/09	21:45:37	2.03S	78.06W	4.6	4.0	32.04	13.9°	MACAS
2003/03/13	13:47:13	3.68S	81.07W	12.0	4.5	131.78	249.1°	MACHALA
2003/03/17	11:16:24	2.80S	79.22W	17.0	4.5	25.78	292.6°	CUENCA
2003/03/27	11:01:01	2.72S	77.42W	12.0	4.2	90.42	119.9°	MACAS
2003/03/28	10:04:15	4.86S	77.12W	12.0	4.7	220.24	113.5°	ZAMORA

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2003/03/29	11:14:45	0.37N	79.34W	12.0	4.2	75.66	151.3°	ESMERALDAS
2003/03/29	16:30:12	1.91S	79.89W	28.5	4.5	31.66	2.4°	GUAYAQUIL
2003/03/30	13:55:06	3.44S	77.18W	35.0	4.1	164.11	140.1°	MACAS
2003/03/31	07:05:30	2.90S	78.29W	12.0	4.3	64.19	107.1°	AZOGUES
2003/03/31	07:14:01	2.64S	78.09W	12.0	4.3	36.92	173.3°	MACAS
2003/03/31	14:39:14	0.97S	80.12W	12.0	4.2	37.63	76.5°	PORTOVIEJO
2003/04/06	11:55:20	2.32S	76.92W	138.2	4.2	134.38	90.4°	MACAS
2003/04/09	01:55:27	2.87S	78.32W	12.0	4.1	60.22	105.5°	AZOGUES
2003/04/11	16:16:15	4.68S	76.43W	14.5	4.6	287.65	103.7°	ZAMORA
2003/04/12	22:55:25	3.04S	78.39W	12.0	4.4	60.60	124.1°	AZOGUES
2003/04/13	03:02:09	1.64S	77.84W	12.0	4.3	23.41	135.0°	PUYO
2003/04/13	04:46:12	0.42S	81.33W	12.0	4.4	120.49	305.8°	PORTOVIEJO
2003/04/17	12:58:04	0.81N	76.78W	33.3	4.0	79.58	9.1°	N_LOJA
2003/04/18	01:01:43	0.05S	77.28W	14.9	4.1	46.54	249.0°	N_LOJA
2003/04/24	05:37:31	2.52S	77.54W	26.0	4.1	69.57	109.9°	MACAS
2003/04/26	13:55:00	2.06S	81.13W	12.0	4.2	134.71	214.0°	PORTOVIEJO
2003/04/26	14:12:02	2.08S	81.09W	12.0	4.2	132.24	275.1°	GUAYAQUIL
2003/05/02	21:47:16	0.49S	79.26W	10.9	4.0	86.22	304.8°	LATACUNGA
2003/05/03	14:53:03	1.24N	79.33W	12.0	4.3	48.09	51.6°	ESMERALDAS
2003/05/07	07:27:11	3.82S	79.58W	12.0	4.2	46.07	295.6°	LOJA
2003/05/15	12:19:24	2.46S	80.86W	35.7	4.5	110.74	254.5°	GUAYAQUIL
2003/05/24	03:56:45	0.81S	78.71W	16.4	4.4	17.28	323.4°	LATACUNGA
2003/05/24	15:02:16	1.70S	80.01W	13.8	4.0	54.91	282.2°	BABAHOYO
2003/05/25	04:24:37	2.58S	78.13W	12.0	4.7	29.60	179.7°	MACAS
2003/05/25	04:45:00	2.44S	80.11W	12.0	4.4	36.31	219.4°	GUAYAQUIL
2003/05/25	08:03:07	2.68S	78.30W	12.0	4.2	45.59	204.7°	MACAS
2003/05/25	19:00:14	2.66S	78.29W	12.0	4.5	42.31	204.7°	MACAS
2003/05/28	02:49:32	0.80S	78.71W	10.2	4.2	17.43	326.6°	LATACUNGA
2003/05/29	03:13:20	2.43S	76.09W	17.5	4.5	227.56	93.5°	MACAS
2003/05/31	22:53:28	0.32S	79.92W	16.6	4.2	100.10	35.8°	PORTOVIEJO
2003/06/03	00:02:10	0.87S	81.74W	5.0	4.6	145.28	278.1°	PORTOVIEJO
2003/06/03	12:18:38	2.46S	79.12W	45.1	4.7	43.56	314.0°	AZOGUES
2003/06/06	15:58:02	2.18S	79.70W	19.8	4.0	22.73	87.7°	GUAYAQUIL
2003/06/07	03:32:03	3.15S	75.67W	45.0	4.2	288.31	108.8°	MACAS
2003/06/11	23:48:32	1.16S	77.79W	12.1	4.2	12.67	162.3°	TENA
2003/06/12	01:06:02	3.49S	79.94W	12.0	4.2	25.16	175.6°	MACHALA
2003/06/13	12:26:19	1.94S	78.15W	167.9	4.1	40.97	357.2°	MACAS
2003/06/15	04:02:25	1.86S	77.52W	189.6	4.1	66.65	128.1°	PUYO
2003/06/15	06:59:27	3.03S	80.07W	12.0	4.5	28.72	333.9°	MACHALA
2003/06/18	08:24:19	1.73S	80.35W	12.0	4.4	71.27	315.7°	GUAYAQUIL
2003/06/18	16:10:27	1.65S	80.32W	12.0	4.0	68.62	168.0°	PORTOVIEJO
2003/06/19	22:50:05	2.23S	79.34W	106.3	4.5	52.10	156.6°	BABAHOYO
2003/06/20	11:11:25	1.39S	80.88W	12.0	4.0	61.21	231.7°	PORTOVIEJO
2003/06/23	23:01:15	1.65S	78.12W	179.3	4.2	22.92	220.0°	PUYO
2003/06/25	23:36:19	0.80S	80.85W	12.0	4.0	52.12	301.7°	PORTOVIEJO
2003/06/29	01:54:28	0.94S	79.22W	107.1	4.0	66.31	269.0°	LATACUNGA
2003/07/06	12:38:06	3.04S	81.35W	12.0	4.3	156.50	279.1°	MACHALA
2003/07/06	21:14:19	0.05N	81.02W	34.2	4.1	137.74	332.7°	PORTOVIEJO
2003/07/08	18:30:12	2.84S	78.30W	12.0	4.3	61.62	101.7°	AZOGUES
2003/07/13	21:59:25	2.95S	78.02W	12.0	4.5	71.60	170.5°	MACAS
2003/07/15	03:48:42	1.30S	77.63W	12.4	4.4	34.54	143.0°	TENA
2003/07/20	12:21:17	1.06S	78.33W	15.6	4.1	35.57	113.2°	LATACUNGA
2003/07/24	06:23:13	5.54S	81.31W	22.2	4.8	289.71	233.7°	LOJA
2003/07/29	19:24:10	3.61S	78.19W	35.0	4.0	98.08	58.8°	ZAMORA
2003/07/31	01:02:12	0.15N	80.54W	16.8	4.1	133.24	355.5°	PORTOVIEJO
2003/07/31	07:37:49	0.14N	80.44W	12.0	4.0	126.45	222.9°	ESMERALDAS

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2003/08/02	08:06:19	0.15N	80.60W	25.0	4.1	133.86	352.9°	PORTOVIEJO
2003/08/03	03:43:36	3.53S	80.94W	21.9	4.6	113.20	254.5°	MACHALA
2003/08/03	12:37:38	4.03S	81.24W	16.0	4.9	166.33	239.1°	MACHALA
2003/08/03	22:28:28	3.99S	78.10W	25.0	4.0	93.95	84.5°	ZAMORA
2003/08/15	10:26:45	0.92S	81.11W	35.4	4.6	75.06	281.4°	PORTOVIEJO
2003/08/16	05:00:12	0.53N	79.94W	12.9	4.3	57.14	211.8°	ESMERALDAS
2003/08/16	08:38:08	1.09S	78.32W	11.8	4.0	37.23	118.2°	LATACUNGA
2003/08/17	13:33:14	1.05S	81.22W	19.8	4.3	85.27	269.8°	PORTOVIEJO
2003/08/20	10:05:51	1.25S	78.20W	8.2	4.5	35.06	318.4°	PUYO
2003/08/23	17:15:12	0.87S	79.75W	26.0	4.1	80.36	75.5°	PORTOVIEJO
2003/08/29	14:26:04	1.20S	80.29W	16.0	4.1	24.40	132.4°	PORTOVIEJO
2003/08/30	06:50:10	0.30S	79.64W	23.2	4.1	122.82	47.1°	PORTOVIEJO
2003/09/01	09:22:29	1.82S	80.29W	10.4	4.2	59.81	312.9°	GUAYAQUIL
2003/09/01	23:21:15	3.34S	78.95W	140.5	5.0	50.93	172.2°	CUENCA
2003/09/02	01:14:26	3.17S	80.55W	12.0	4.5	65.86	278.5°	MACHALA
2003/09/05	15:17:31	2.60S	80.97W	34.0	4.1	127.34	249.0°	GUAYAQUIL
2003/09/06	12:12:18	4.13S	80.51W	40.4	4.9	114.65	212.3°	MACHALA
2003/09/07	02:11:32	2.07S	77.62W	12.0	4.4	62.73	64.3°	MACAS
2003/09/07	10:49:00	2.51S	81.08W	25.0	4.4	135.58	254.6°	GUAYAQUIL
2003/09/08	07:35:18	1.30S	79.69W	123.5	4.4	58.18	342.7°	BABAHOYO
2003/09/09	11:10:22	2.81S	79.73W	12.0	4.0	56.04	26.9°	MACHALA
2003/09/13	18:33:08	1.09S	78.30W	8.6	4.7	39.46	117.1°	LATACUNGA
2003/09/14	04:39:18	0.27S	79.54W	33.6	4.0	115.69	266.2°	QUITO
2003/09/15	04:00:31	0.05N	78.33W	12.0	4.1	33.56	35.2°	QUITO
2003/09/16	22:55:35	3.59S	80.07W	23.5	4.4	39.19	198.8°	MACHALA
2003/09/17	10:18:08	2.08S	78.18W	162.7	4.0	26.01	346.7°	MACAS
2003/09/20	05:19:15	2.64S	79.74W	12.0	4.4	52.93	159.8°	GUAYAQUIL
2003/09/23	10:33:18	2.40S	79.81W	9.9	4.4	25.60	156.4°	GUAYAQUIL
2003/09/24	05:14:09	1.13S	78.36W	8.4	4.1	32.77	67.3°	AMBATO
2003/09/24	18:23:00	3.64S	78.00W	185.0	4.0	114.65	65.3°	ZAMORA
2003/09/26	23:43:17	1.11S	78.26W	9.5	4.1	43.90	70.1°	AMBATO
2003/09/27	07:49:03	1.89S	77.99W	185.9	4.5	43.92	179.8°	PUYO
2003/09/29	04:08:20	2.97S	78.13W	12.0	4.4	73.58	180.4°	MACAS
2003/09/30	02:28:12	1.63S	81.21W	47.2	4.0	106.69	232.7°	PORTOVIEJO
2003/09/30	19:02:17	1.39N	80.26W	12.0	4.0	79.94	305.3°	ESMERALDAS
2003/10/01	03:25:08	2.97S	77.93W	25.0	4.3	77.09	163.2°	MACAS
2003/10/01	04:39:05	1.39N	80.16W	17.0	4.3	71.29	310.8°	ESMERALDAS
2003/10/01	10:21:33	2.77S	78.08W	16.0	4.1	51.43	173.6°	MACAS
2003/10/02	06:12:13	2.94S	81.04W	13.4	4.7	124.94	286.4°	MACHALA
2003/10/03	15:31:32	3.94S	76.72W	151.6	5.0	239.42	139.2°	MACAS
2003/10/03	21:55:16	1.33S	81.45W	12.0	4.0	115.35	254.4°	PORTOVIEJO
2003/10/03	22:09:03	1.45S	81.26W	8.7	4.6	100.09	243.5°	PORTOVIEJO
2003/10/03	23:15:01	1.45S	81.16W	10.0	4.0	90.48	240.6°	PORTOVIEJO
2003/10/04	15:24:39	1.32S	81.12W	12.0	4.0	80.00	248.2°	PORTOVIEJO
2003/10/05	12:29:30	3.00S	78.21W	145.8	5.0	75.99	113.4°	AZOGUES
2003/10/07	09:40:23	1.67S	78.21W	182.3	4.0	32.03	230.8°	PUYO
2003/10/09	10:02:02	1.66N	80.83W	12.0	4.2	150.09	301.0°	ESMERALDAS
2003/10/15	16:53:20	2.27S	77.65W	12.0	4.0	53.15	85.6°	MACAS
2003/10/24	11:44:05	1.83S	77.74W	195.6	4.1	46.64	143.7°	PUYO
2003/10/25	00:01:12	2.49S	81.21W	12.0	4.1	149.82	257.2°	GUAYAQUIL
2003/10/26	18:29:04	1.16S	78.31W	14.8	4.5	36.96	75.8°	AMBATO
2003/11/02	12:19:01	4.86S	79.06W	121.9	4.6	88.92	188.3°	ZAMORA
2003/11/03	02:40:10	1.29S	81.39W	16.0	4.1	107.91	255.8°	PORTOVIEJO
2003/11/07	20:35:06	0.21S	77.10W	14.3	4.1	41.86	214.0°	N_LOJA
2003/11/08	22:03:03	0.54N	77.27W	10.0	4.5	57.91	120.9°	TULCAN
2003/11/09	07:30:35	1.16S	80.24W	9.1	4.1	26.32	118.2°	PORTOVIEJO

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2003/11/09	11:29:01	1.63S	77.83W	196.2	4.1	23.53	131.8°	PUYO
2003/11/11	15:57:12	2.10S	79.82W	10.0	4.0	13.24	43.6°	GUAYAQUIL
2003/11/13	05:56:06	1.65S	77.89W	212.4	4.6	21.37	147.9°	PUYO
2003/11/14	03:31:16	4.20S	80.61W	8.2	4.5	127.41	214.8°	MACHALA
2003/11/14	07:16:00	2.61S	78.05W	12.0	4.2	34.06	165.4°	MACAS
2003/11/15	03:34:05	2.30S	80.21W	7.5	4.1	36.84	249.9°	GUAYAQUIL
2003/11/15	04:13:22	3.29S	78.16W	12.3	4.1	97.71	129.8°	AZOGUES
2003/11/19	18:36:09	0.54N	80.85W	34.7	4.1	139.51	249.9°	ESMERALDAS
2003/11/23	18:19:22	2.05S	79.82W	29.1	4.1	18.05	30.4°	GUAYAQUIL
2003/11/24	03:41:16	2.08S	79.91W	12.0	4.3	11.91	354.4°	GUAYAQUIL
2003/11/25	23:29:22	3.05S	79.22W	179.9	4.4	29.65	232.8°	CUENCA
2003/11/26	07:43:30	2.24S	75.67W	166.4	5.3	271.10	107.8°	PUYO
2003/11/28	22:03:23	3.06S	79.02W	27.5	4.2	19.22	183.5°	CUENCA
2003/12/01	14:57:17	0.97N	80.75W	23.6	4.1	119.59	269.8°	ESMERALDAS
2003/12/01	20:19:17	1.01N	80.70W	19.4	4.6	114.95	272.0°	ESMERALDAS
2003/12/02	14:52:11	0.84N	80.27W	30.5	4.0	68.79	257.6°	ESMERALDAS
2003/12/05	03:48:19	2.37S	79.54W	109.3	4.2	44.24	116.1°	GUAYAQUIL
2003/12/06	04:02:32	1.12S	80.26W	17.1	4.0	22.54	111.6°	PORTOVIEJO
2003/12/09	23:52:44	0.04N	78.46W	9.4	4.0	27.55	9.1°	QUITO
2003/12/10	07:26:02	2.77S	78.21W	12.0	4.0	52.08	189.9°	MACAS
2003/12/14	18:44:20	1.75S	77.70W	196.6	4.6	43.00	132.3°	PUYO
2003/12/15	13:52:05	2.76S	80.20W	60.0	4.1	61.65	334.6°	MACHALA
2003/12/16	06:24:54	0.38S	77.54W	11.5	4.4	80.95	22.2°	TENA
2003/12/18	08:39:03	2.04S	79.80W	7.2	4.0	20.44	32.9°	GUAYAQUIL
2003/12/21	00:34:27	1.62S	81.04W	11.9	4.2	91.64	226.1°	PORTOVIEJO
2003/12/22	15:02:04	1.39S	80.98W	16.0	4.1	69.85	237.7°	PORTOVIEJO
2003/12/22	21:30:09	0.89S	80.77W	26.7	4.3	39.50	296.6°	PORTOVIEJO
2003/12/25	14:23:02	3.40S	77.79W	16.0	4.4	127.24	162.8°	MACAS
2003/12/25	21:56:21	1.71S	77.97W	179.0	4.0	24.13	175.6°	PUYO
2003/12/30	00:05:02	0.72S	77.97W	12.4	4.0	40.78	335.1°	TENA
2003/12/31	21:42:38	0.04S	80.58W	23.6	4.3	113.29	352.9°	PORTOVIEJO
2003/12/31	21:42:38	0.04S	80.58W	23.6	4.3	113.29	352.9°	PORTOVIEJO

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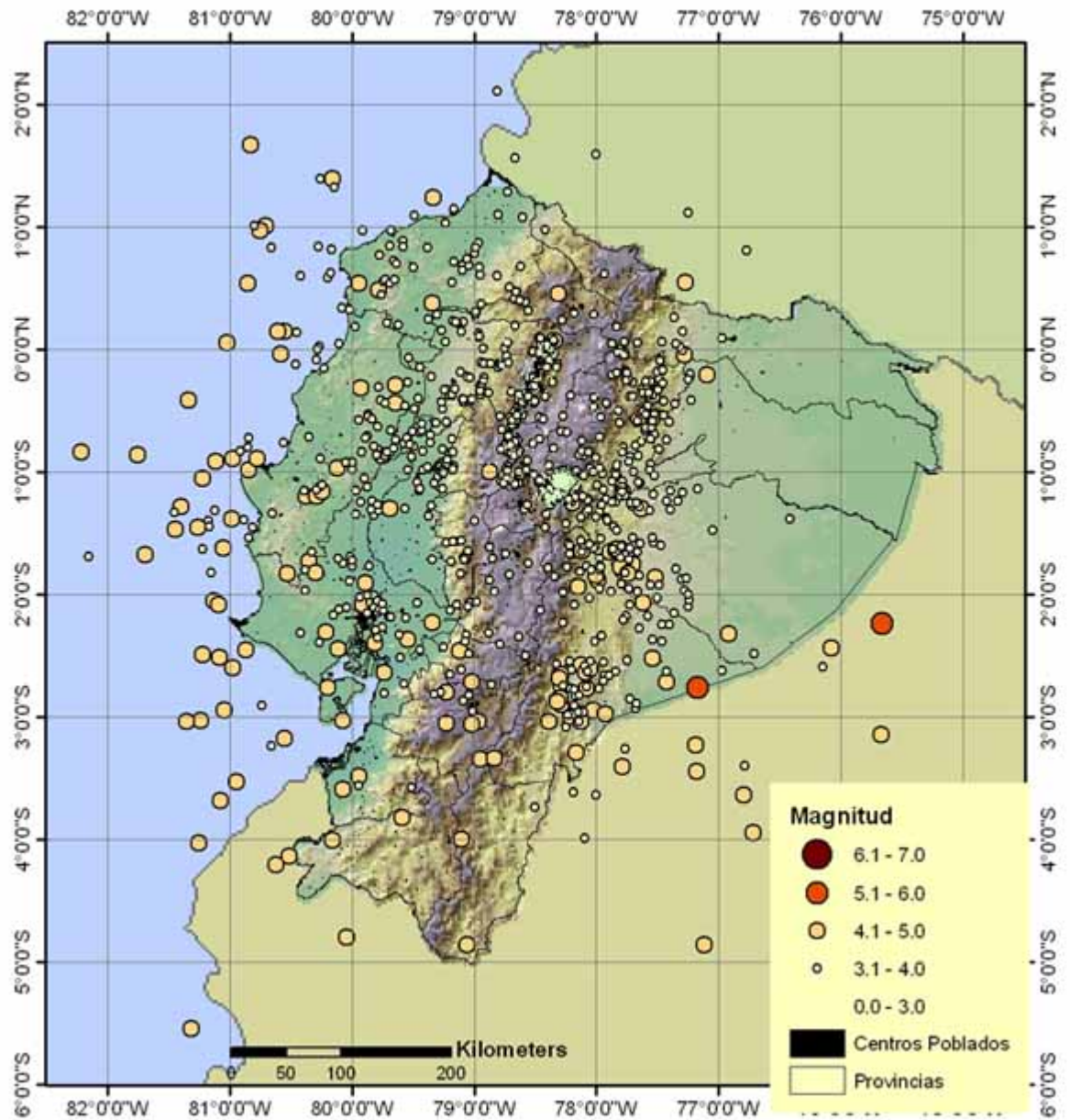


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**SISMICIDAD 2003**



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